

CERTIFICATION OF PUBLICATION
CITY OF BALTIMORE
OFFICE OF BOARDS AND COMMISSIONS
PUBLIC NOTICE

**Project # 977 - Final Design of Enhanced Nutrient Removal Facilities at
Patapsco Wastewater Treatment Plant**

The City of Baltimore Office of Boards and Commissions has been requested by the Department of Public Works, Bureau of Water & Wastewater to advertise for engineering firms for the purpose of producing final contract documents for the new enhanced nutrient removal facility at Patapsco Wastewater Treatment Plant.

The City's Patapsco WWTP, now permitted for a monthly average flow rate of 70 million gallons per day, is situated in the Fairfield section of Baltimore City, and discharges into the lower section of the Baltimore harbor. Currently, the plant employs grit removal, screening, and primary sedimentation, followed by a high purity oxygen activated sludge process, secondary clarifiers, chlorine disinfection, dechlorination, and discharge through a subaqueous outfall.

The City intends to install an enhanced nutrient removal (ENR) system, consistent with the ENR goals of the Maryland Department of the Environment. The City intends to achieve a final total nitrogen concentration of 3 mg/l, and 0.3 mg/l total phosphorus, in the plant effluent.

A comprehensive study of ENR requirements, conducted by a City consultant, is in the latter stages. The study includes design documents completed to approximately a 30% stage. All materials produced by that consultant will be available for examination by firms interested in responding to this notice, and the selected consultant is expected to build upon, and complete that work.

The selected consultant for final design will prepare plans, specifications, and other documents for an ENR system consisting of biological aerated flooded filters (BAFF), denitrification filters, and post aeration. The new system will intercept the effluent from the existing secondary clarifiers, process flow through the new facilities, and return it to the existing chlorine contact chambers. The design flow would be 73 mgd, with provisions that the new facilities be expandable to 81 mgd, as flow increases in the future.

The fact that BAFF technology is now proprietary may require the City and the consultant to engage in some innovative procurement process, or processes that are not conventional, by the standards of Baltimore City.

The construction will be done under multiple construction contracts, as the funds become available.

The intent of multiple contracts is to accomplish a comprehensive ENR system, so that the

selected consultant or consultant team must consist of a multidiscipline force, having expertise in wastewater process, civil, mechanical, electrical, process control and instrumentation engineering; and architecture. The selected team must also assist the City in ancillary functions such as permitting, negotiations with MDE and EPA, public participation, etc. At the option of the City, the selected firm may be considered for a post award construction services agreement, for each construction contract.

The firms interested in providing these services must demonstrate and document:

1. General experience in civil/environmental engineering.
2. Specialized experience in design and operation of wastewater treatment plants, and all treatment processes- physical, chemical, and biological; including ENR technology.
3. Specialized experience in design of BAFF or fixed media ENR nitrogen removal systems for wastewater treatment plants
4. Experience in pumping design and operations, including associated piping, pumps, motors, valves, instrumentation, computer process control, and power distribution.
5. Experience in procurement of systems subject to patent protection, as well as more traditional design-and-bid procurement
6. Experience in negotiations with regulatory agencies, including MDE and EPA.
7. Experience in soil mechanics, and geotechnical engineering, including soils containing hazardous materials.
8. Manpower availability and ability to complete the project on time and within budget.
9. Overall team approach with Minority/Women Business Enterprises.

It is anticipated that total project costs may be in the range of \$150 million.

The design time is expected to be sixteen months for the first construction contract. If you have any questions regarding the scope of this project, please contact Mr. Samuel M. Grant at 410-396-3438 or 396-3691, or e-mail at Samuel.Grant@baltimorecity.gov.

The City will consider compensating a firm at a higher overhead rate for the scope associated with the BAFF treatment process portion of this project, subject to review of the independently-audited overhead in accordance with the Federal Acquisition Regulations requirements.

Firms invited to final interviews will be provided a compact disk of the design memorandum produced by the City's consultant, during the study stage of this project.

Firms intending to submit a proposal as a prime consultant for this project should submit a "Letter of Interest" to the Office of Boards and Commissions, Room 601, 417 East Fayette Street, Baltimore, Maryland 21202 (FAX: 410-625-4667). Since these letters are utilized to

assist small, minority and women business enterprises in identifying potential teaming partners, the letters should be submitted within five (5) days of the date of the project's advertisement. The letter should contain a contact person. Failure to submit a "Letter of Interest" will not disqualify a firm submitting a proposal for the project.

Each prime consultant applying for this project will be required to complete and submit an original Federal Form 255 along with five (5) copies, to the Office of Boards and Commissions. The Federal Form 255 and the five copies must be submitted on or before 12:00 (noon) on **10-13-2004**. Submittals may not be accepted after this deadline.

All architectural, engineering and surveying firms listed in the specific proposal for the project must be prequalified by the Office of Boards and Commissions for each applicable discipline at the time of submittal for the Project.

It is policy of the City of Baltimore to promote equal business opportunity in the City's contracting process. Pursuant to Article 5, subtitle 28 of the Baltimore City Code (2000 Edition) – Minority and Women's Business Program, Minority Business Enterprise (MBE) and Women's Business Enterprise (WBE) participation goals apply to this contract.

The MBE goal is 21%
The WBE goal is 7%

Both the proposed Minority and Women's Business Enterprise firms must be named and identified as an MBE or WBE within Item 6 of the Standard Form (SF) 255 in the spaces provided for identifying outside key consultants/associates anticipated for utilization for this project.

Any submittal that does not include the proper MBE/WBE (in some instance DBE) participation will be disapproved for further consideration for this project.

Verifying Certification

Each firm submitting a SF 255 for consideration for a project is responsible for verifying that all MBEs and WBEs to be utilized on the project are certified by the Minority and Women's Business Opportunity Office (MWBOO) prior to submitting the proposal. A directory of certified MBEs and WBEs is available from MWBOO. Since changes to the directory occur daily, firms submitting SF 255s should call MWBOO at 410-396-4355 to verify certification, expiration dates and services that the MBE/WBE is certified to provide.

Non-Affiliation

A firm submitting a proposal may not use an MBE or WBE to meet a contract goal if

1. The firm has a financial interest in the MBE or WBE.
2. The firm has an interest in the ownership or control of the MBE or WBE.
3. The firm is significantly involved in the operation of the MBE or WBE (Article 5, Subtitle 28-41).

A firm submitting as a prime consultant that fails to comply with the requirements of Article 5, Subtitle 28 of the Baltimore City Code when executing a contract is subject to the following penalties; suspension of a contract; withholding of funds; rescission of contract based on material breach; disqualification as a consultant from eligibility to provide services to the City for a period not to exceed 2 years; and payment for damages incurred by the City.

A resume for each person listed as key personnel and/or specialist, including those from MBE and WBE must be shown on the page provided within the application.

Please be advised that for the purpose of reviewing price proposals and invoices, the City of Baltimore defines a principal of a firm as follows:

A "Principal" is any individual owning 5% or more of the outstanding stock of an entity, partner of a partnership, a 5% or more shareholder of a sub-chapter "S" Corporation, or an individual owner.

Out-of-State Corporations must identify their corporate resident agent within the application.

Firms will not be considered for specific project if they apply as both a subconsultant and prime consultant.

The applications for this project (Form 255) cannot be supplemented with any additional information such as graphs, photographs, organizational charts, etc. All such information should be incorporated into the appropriate pages. Applications should not be bound. Applications should simply be stapled in the upper left-hand-corner. Cover sheets should not be included. Inclusion and/or submittal of additional material will result in the applicant being disqualified from consideration for this Project.

Failure to follow directions of this advertisement or the application may cause disqualification of the submittal.

Robert B. MacLeod
Executive Secretary

Issue of: **9-14-2004**
The Baltimore Sun
The Daily Record
The Afro-American
The Baltimore Times